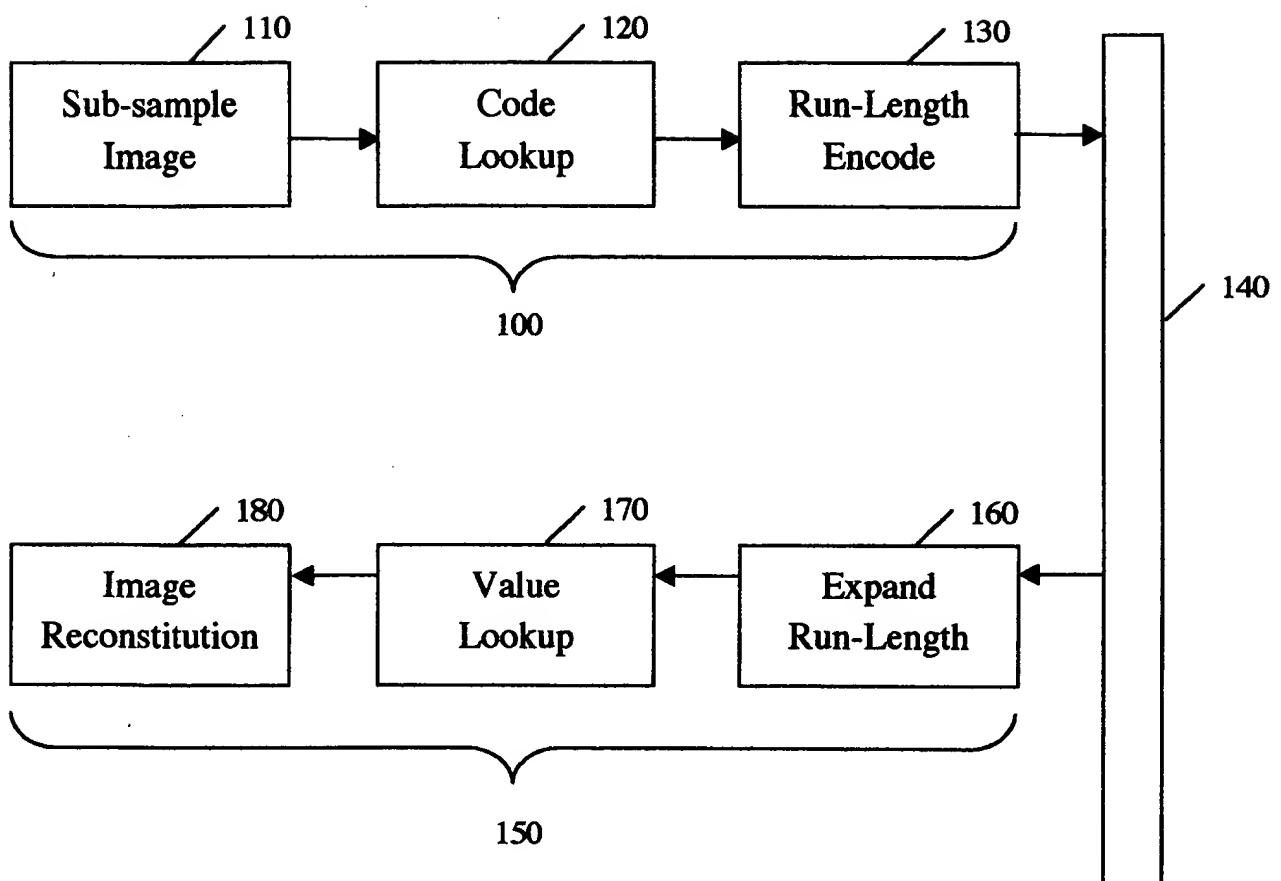


09/470566

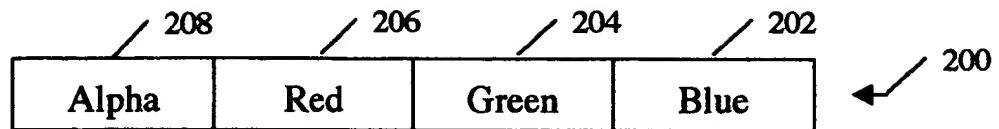
1/14



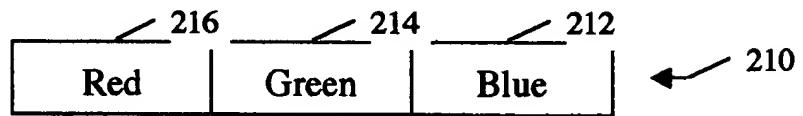
**Fig 1**

**2/14**

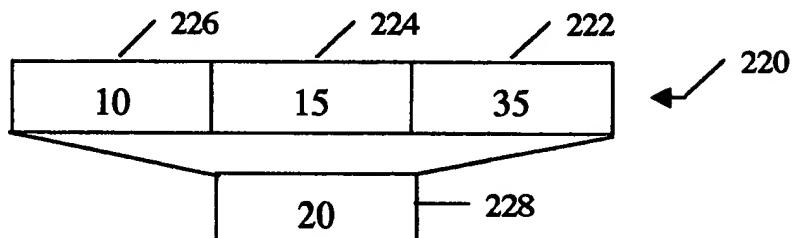
**Fig 2A**



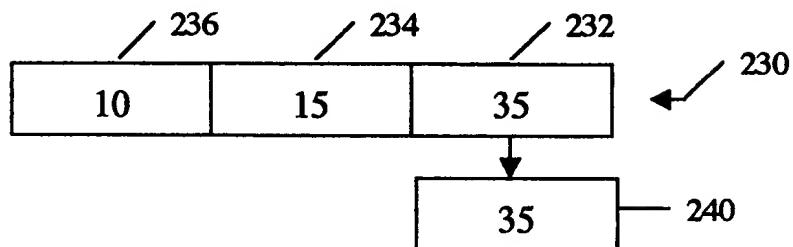
**Fig 2B**



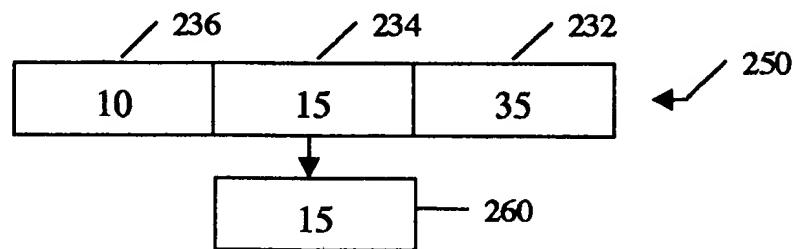
**Fig 2C**



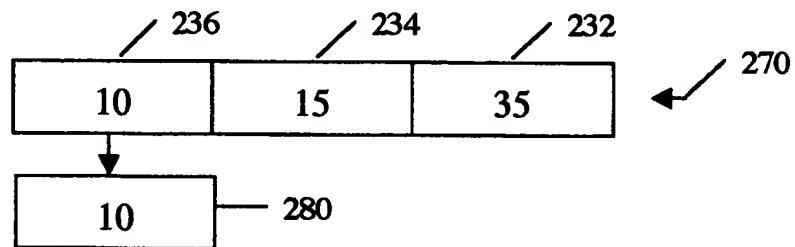
**Fig 2D**



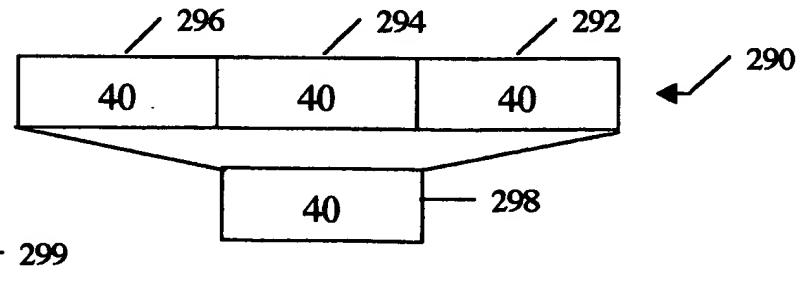
**Fig 2E**



**Fig 2F**



**Fig 2G**



**Fig 2H**



**3/14**

unsigned char encodeTable[ ] =  
{

    370

    0, 0, 0, 0, 0,  
    1, 1, 1, 1, 1, 1, 1, 1,  
    2, 2, 2, 2, 2, 2, 2, 2,  
    3, 3, 3, 3, 3, 3, 3, 3,  
    4, 4, 4, 4, 4, 4, 4, 4,  
    5, 5, 5, 5, 5, 5, 5, 5,  
    6, 6, 6, 6, 6, 6, 6, 6,  
    7, 7, 7, 7, 7, 7, 7, 7,  
    8, 8, 8, 8, 8, 8, 8, 8,  
    9, 9, 9, 9, 9, 9, 9, 9,  
    10, 10, 10, 10, 10, 10, 10, 10,  
    11, 11, 11, 11, 11, 11, 11, 11,  
    12, 12, 12, 12, 12, 12, 12, 12,  
    13, 13, 13, 13, 13, 13, 13, 13,  
    14, 14, 14, 14, 14, 14, 14, 14,  
    15, 15, 15, 15, 15, 15, 15, 15,  
    16, 16, 16, 16, 16, 16, 16, 16,  
    17, 17, 17, 17, 17, 17, 17, 17,  
    18, 18, 18, 18, 18, 18, 18, 18,  
    19, 19, 19, 19, 19, 19, 19, 19,  
    20, 20, 20, 20, 20, 20, 20,  
    21, 21, 21, 21, 21, 21, 21,  
    22, 22, 22, 22, 22, 22, 22,  
    23, 23, 23, 23, 23, 23, 23, 23,  
    24, 24, 24, 24, 24, 24, 24, 24,  
    25, 25, 25, 25, 25, 25, 25, 25,  
    26, 26, 26, 26, 26, 26, 26, 26,  
    27, 27, 27, 27, 27, 27, 27, 27,  
    28, 28, 28, 28, 28, 28, 28, 28,  
    29, 29, 29, 29, 29, 29, 29, 29,  
    30, 30, 30, 30, 30, 30, 30, 30,  
    31, 31, 31, 31

};

    300

    330   340   360

// 0 - 4 -> 0  
// 5 - 12 -> 8  
// 13 - 20 -> 16  
// 21 - 29 -> 24  
// 30 - 37 -> 33  
// 38 - 45 -> 41  
// 46 - 53 -> 49  
// 54 - 62 -> 57  
// 63 - 70 -> 66  
// 71 - 78 -> 74  
// 79 - 86 -> 82  
// 87 - 95 -> 90  
// 96 - 103 -> 99  
// 104 - 111 -> 107  
// 112 - 119 -> 115  
// 120 - 128 -> 123  
// 129 - 136 -> 132  
// 137 - 144 -> 140  
// 145 - 152 -> 148  
// 153 - 161 -> 156  
// 162 - 169 -> 165  
// 170 - 177 -> 173  
// 178 - 185 -> 181  
// 186 - 194 -> 189  
// 195 - 202 -> 198  
// 203 - 210 -> 206  
// 211 - 218 -> 214  
// 219 - 227 -> 222  
// 228 - 235 -> 231  
// 236 - 243 -> 239  
// 244 - 251 -> 247  
// 252 - 255 -> 255

310

320

**Fig 3A**

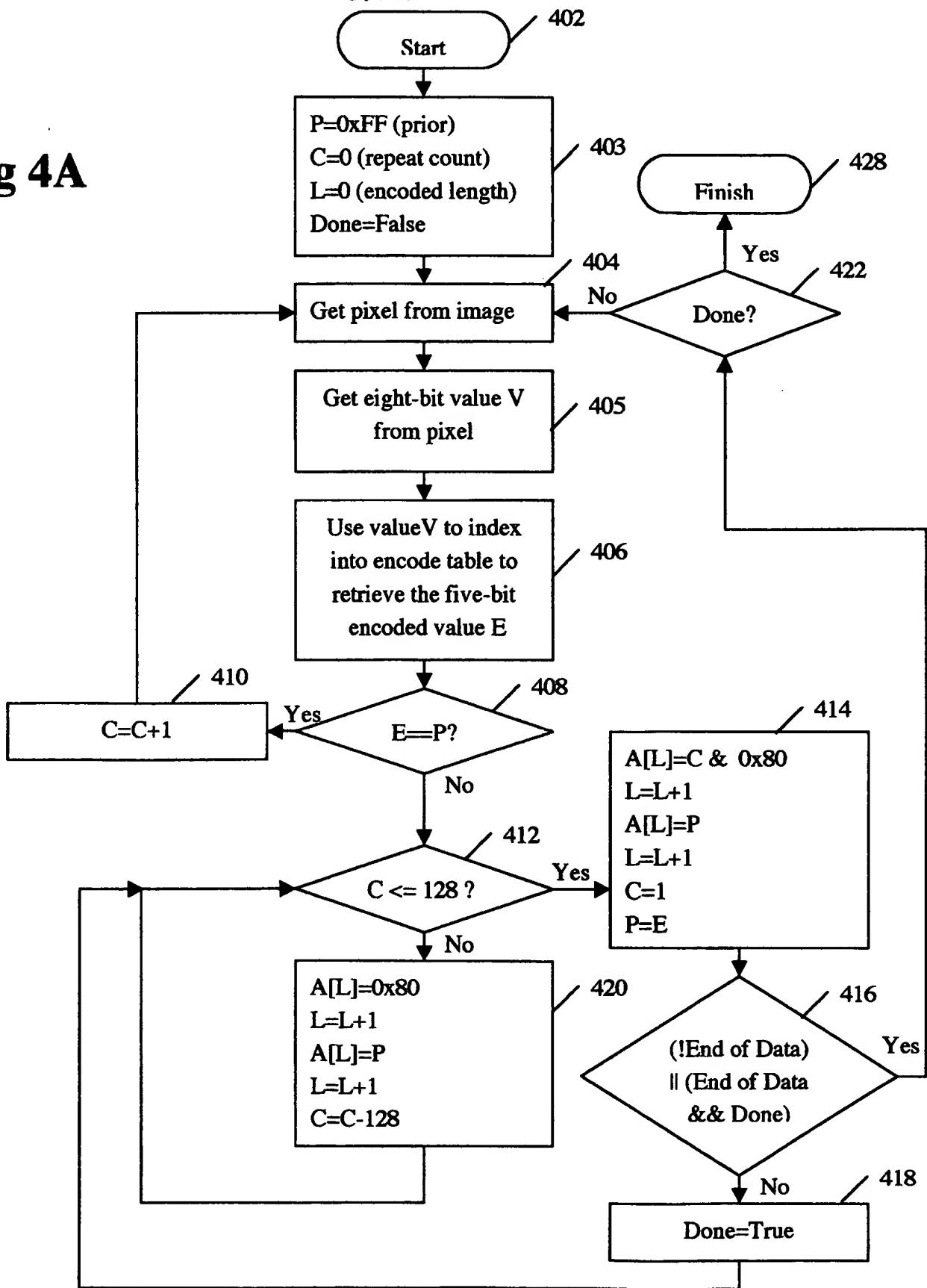
**4/14**

370	330					350					360
↓	↓					↓					↓
0	0	1	2	3	4						0
1	5	6	7	8	9	10	11	12			8
2	13	14	15	16	17	18	19	20			16
3	21	22	23	24	25	26	27	28	29		24
4	30	31	32	33	34	35	36	37			33
5	38	39	40	41	42	43	44	45			41
6	46	47	48	49	50	51	52	53			49
7	54	55	56	57	58	59	60	61	62		57
8	63	64	65	66	67	68	69	70			66
9	71	72	73	74	75	76	77	78			74
10	79	80	81	82	83	84	85	86			82
11	87	88	89	90	91	92	93	94	95		90
12	96	97	98	99	100	101	102	103			99
13	104	105	106	107	108	109	110	111			107
14	112	113	114	115	116	117	118	119			115
15	120	121	122	123	124	125	126	127	128		123
16	129	130	131	132	133	134	135	136			132
17	137	138	139	140	141	142	143	144			140
18	145	146	147	148	149	150	151	152			148
19	153	154	155	156	157	158	159	160	161		156
20	162	163	164	165	166	167	168	169			165
21	170	171	172	173	174	175	176	177			173
22	178	179	180	181	182	183	184	185			181
23	186	187	188	189	190	191	192	193	194		189
24	195	196	197	198	199	200	201	202			198
25	203	204	205	206	207	208	209	210			206
26	211	212	213	214	215	216	217	218			214
27	219	220	221	222	223	224	225	226	227		222
28	228	229	230	231	232	233	234	235			231
29	236	237	238	239	240	241	242	243			239
30	244	245	246	247	248	249	250	251			247
31	252	253	254	255							255

**Fig 3B**

5/14

Fig 4A



6/14

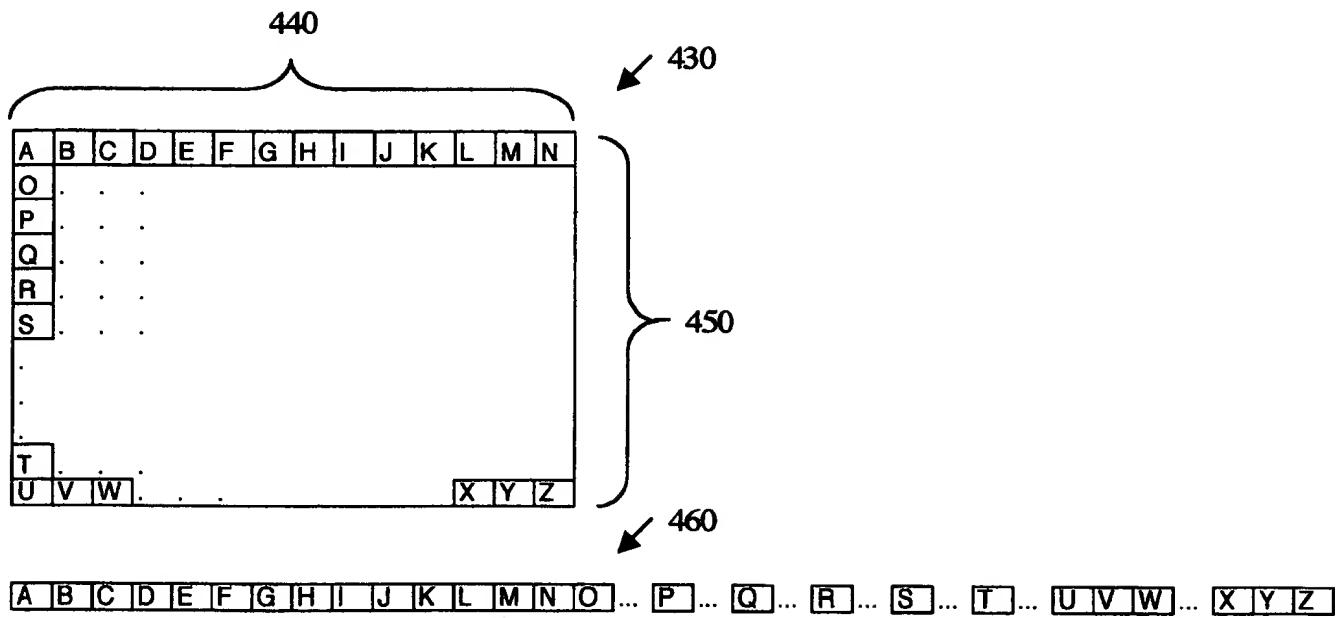
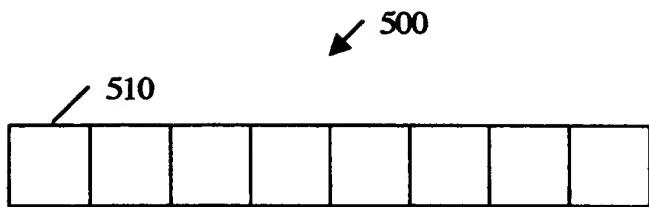
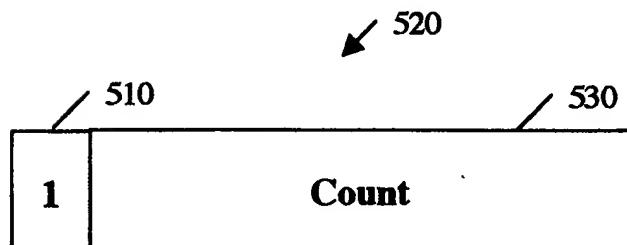


Fig 4B

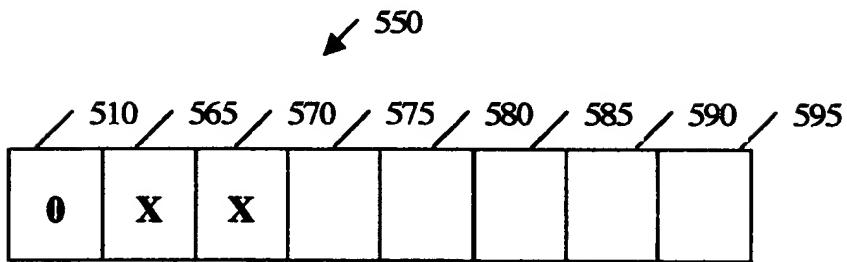
**7/14**



**Fig 5A**

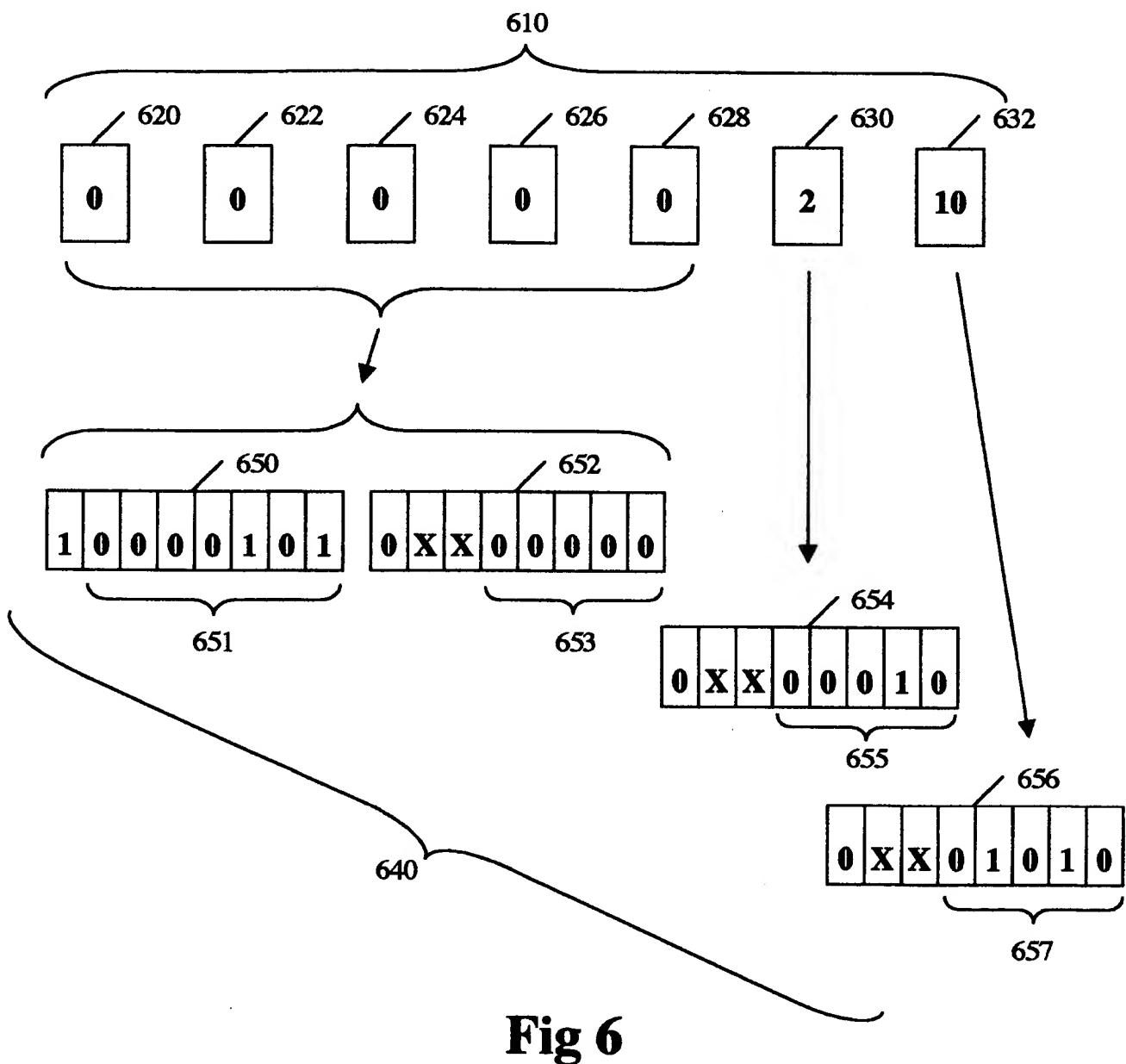


**Fig 5B**



**Fig 5C**

8/14

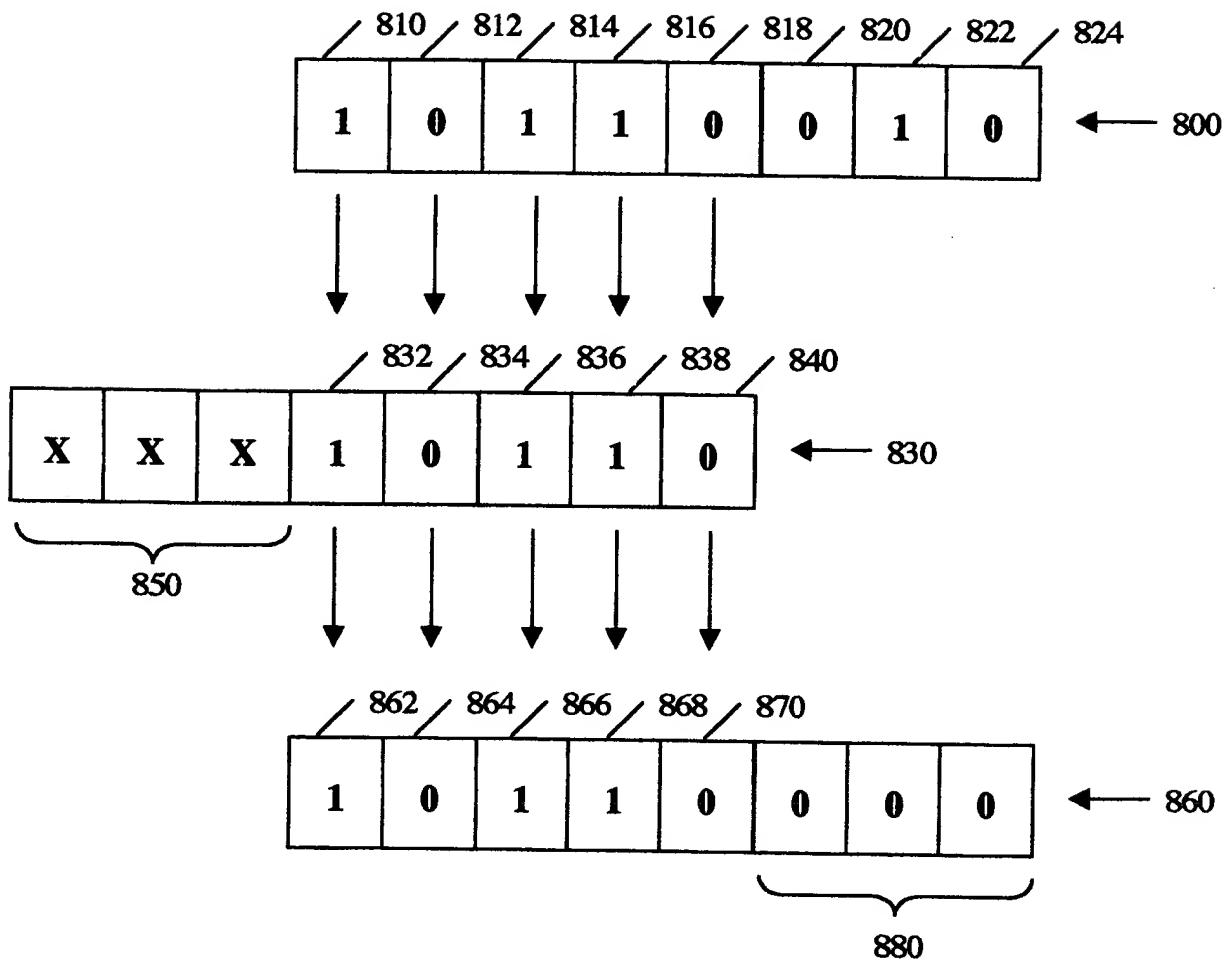


9/14

```
int decodeTable[ ] =  
{  
    700  
    710  
    720  
    730  
    740  
  
    0xff << 24 | 0 << 16 | 0 << 8 | 0,  
    0xff << 24 | 8 << 16 | 8 << 8 | 8,  
    0xff << 24 | 16 << 16 | 16 << 8 | 16,  
    0xff << 24 | 24 << 16 | 24 << 8 | 24,  
    0xff << 24 | 33 << 16 | 33 << 8 | 33,  
    0xff << 24 | 41 << 16 | 41 << 8 | 41,  
    0xff << 24 | 49 << 16 | 49 << 8 | 49,  
    0xff << 24 | 57 << 16 | 57 << 8 | 57,  
    0xff << 24 | 66 << 16 | 66 << 8 | 66,  
    0xff << 24 | 74 << 16 | 74 << 8 | 74,  
    0xff << 24 | 82 << 16 | 82 << 8 | 82,  
    0xff << 24 | 90 << 16 | 90 << 8 | 90,  
    0xff << 24 | 99 << 16 | 99 << 8 | 99,  
    0xff << 24 | 107 << 16 | 107 << 8 | 107,  
    0xff << 24 | 115 << 16 | 115 << 8 | 115,  
    0xff << 24 | 123 << 16 | 123 << 8 | 123,  
    0xff << 24 | 132 << 16 | 132 << 8 | 132,  
    0xff << 24 | 140 << 16 | 140 << 8 | 140,  
    0xff << 24 | 148 << 16 | 148 << 8 | 148,  
    0xff << 24 | 156 << 16 | 156 << 8 | 156,  
    0xff << 24 | 165 << 16 | 165 << 8 | 165,  
    0xff << 24 | 173 << 16 | 173 << 8 | 173,  
    0xff << 24 | 181 << 16 | 181 << 8 | 181,  
    0xff << 24 | 189 << 16 | 189 << 8 | 189,  
    0xff << 24 | 198 << 16 | 198 << 8 | 198,  
    0xff << 24 | 206 << 16 | 206 << 8 | 206,  
    0xff << 24 | 214 << 16 | 214 << 8 | 214,  
    0xff << 24 | 222 << 16 | 222 << 8 | 222,  
    0xff << 24 | 231 << 16 | 231 << 8 | 231,  
    0xff << 24 | 239 << 16 | 239 << 8 | 239,  
    0xff << 24 | 247 << 16 | 247 << 8 | 247,  
    0xff << 24 | 255 << 16 | 255 << 8 | 255  
};
```

Fig 7

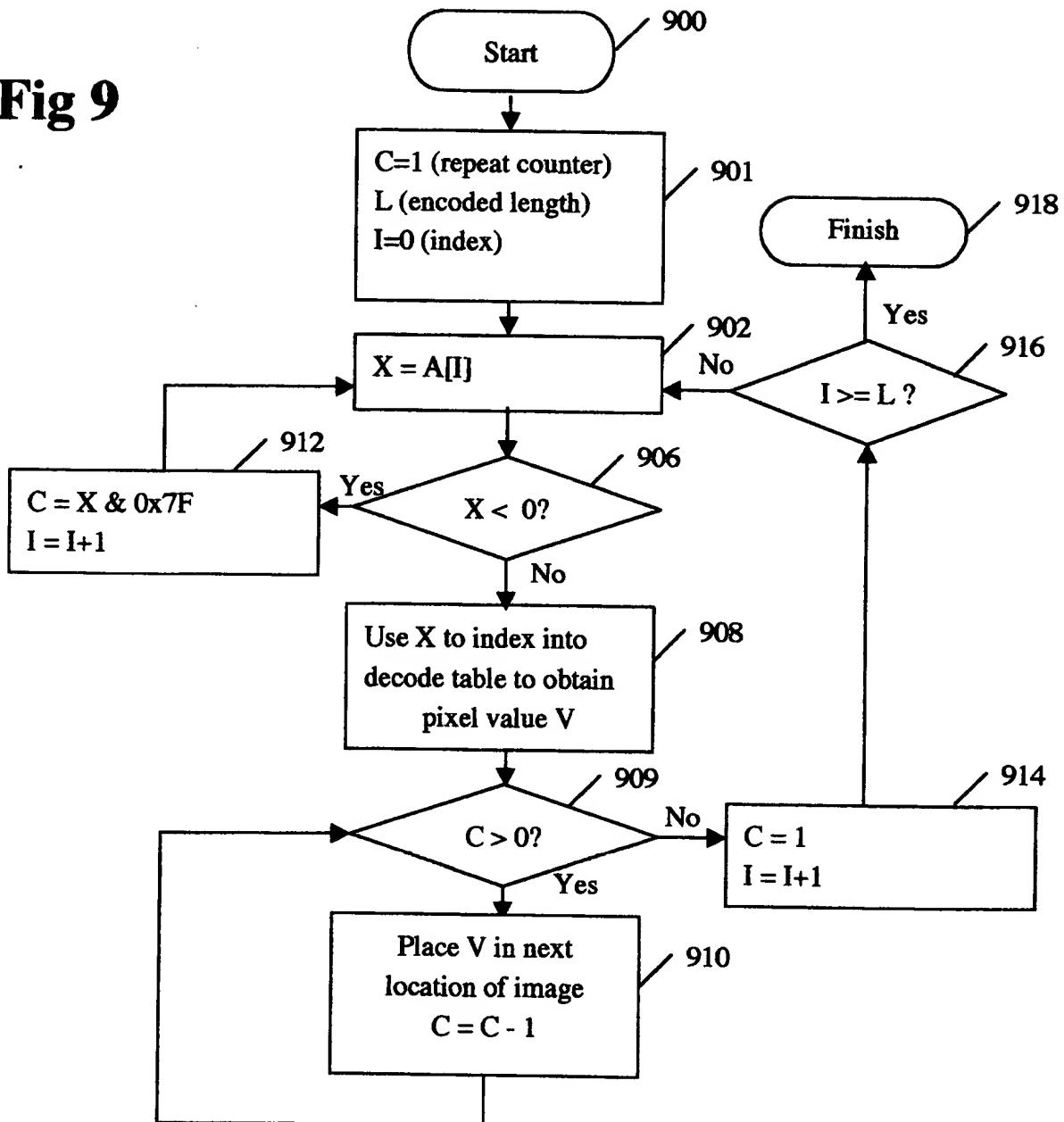
**10/14**



**Fig 8**

11/14

Fig 9



**12/14**

1000 ↙

0	24
1	18
2	25
3	5
4	3
5	6
6	12
7	30
8	21
9	27
10	1
11	16
12	31
13	4
14	14
15	20
16	10
17	28
18	23
19	9
20	15
21	22
22	29
23	13
24	19
25	26
26	2
27	17
28	0
29	8
30	11
31	7

**Fig 10A**

**13/14**

↖ 1010

```
unsigned char encodeTable[ ] =  
{  
    24, 24, 24, 24, 24, // 0 - 4 -> 0  
    18, 18, 18, 18, 18, 18, 18, 18, // 5 - 12 -> 8  
    25, 25, 25, 25, 25, 25, 25, 25, // 13 - 20 -> 16  
    5, 5, 5, 5, 5, 5, 5, 5, // 21 - 29 -> 24  
    3, 3, 3, 3, 3, 3, 3, 3, // 30 - 37 -> 33  
    6, 6, 6, 6, 6, 6, 6, 6, // 38 - 45 -> 41  
    12, 12, 12, 12, 12, 12, 12, 12, // 46 - 53 -> 49  
    30, 30, 30, 30, 30, 30, 30, 30, // 54 - 62 -> 57  
    21, 21, 21, 21, 21, 21, 21, 21, // 63 - 70 -> 66  
    27, 27, 27, 27, 27, 27, 27, 27, // 71 - 78 -> 74  
    1, 1, 1, 1, 1, 1, 1, 1, // 79 - 86 -> 82  
    16, 16, 16, 16, 16, 16, 16, 16, // 87 - 95 -> 90  
    31, 31, 31, 31, 31, 31, 31, 31, // 96 - 103 -> 99  
    4, 4, 4, 4, 4, 4, 4, 4, // 104 - 111 -> 107  
    14, 14, 14, 14, 14, 14, 14, 14, // 112 - 119 -> 115  
    20, 20, 20, 20, 20, 20, 20, 20, // 120 - 128 -> 123  
    10, 10, 10, 10, 10, 10, 10, 10, // 129 - 136 -> 132  
    28, 28, 28, 28, 28, 28, 28, 28, // 137 - 144 -> 140  
    23, 23, 23, 23, 23, 23, 23, 23, // 145 - 152 -> 148  
    9, 9, 9, 9, 9, 9, 9, 9, // 153 - 161 -> 156  
    15, 15, 15, 15, 15, 15, 15, 15, // 162 - 169 -> 165  
    22, 22, 22, 22, 22, 22, 22, 22, // 170 - 177 -> 173  
    29, 29, 29, 29, 29, 29, 29, 29, // 178 - 185 -> 181  
    13, 13, 13, 13, 13, 13, 13, 13, // 186 - 194 -> 189  
    19, 19, 19, 19, 19, 19, 19, 19, // 195 - 202 -> 198  
    26, 26, 26, 26, 26, 26, 26, 26, // 203 - 210 -> 206  
    2, 2, 2, 2, 2, 2, 2, 2, // 211 - 218 -> 214  
    17, 17, 17, 17, 17, 17, 17, 17, // 219 - 227 -> 222  
    0, 0, 0, 0, 0, 0, 0, 0, // 228 - 235 -> 231  
    8, 8, 8, 8, 8, 8, 8, 8, // 236 - 243 -> 239  
    11, 11, 11, 11, 11, 11, 11, 11, // 244 - 251 -> 247  
    7, 7, 7, 7, // 252 - 255 -> 255  
};
```

**Fig 10B**

14/14

1020  
↓

```
int decodeTable[ ] =  
{  
    0xff << 24 | 231 << 16 | 231 << 8 | 231,  
    0xff << 24 | 82 << 16 | 82 << 8 | 82,  
    0xff << 24 | 214 << 16 | 214 << 8 | 214,  
    0xff << 24 | 33 << 16 | 33 << 8 | 33,  
    0xff << 24 | 107 << 16 | 107 << 8 | 107,  
    0xff << 24 | 24 << 16 | 24 << 8 | 24,  
    0xff << 24 | 41 << 16 | 41 << 8 | 41,  
    0xff << 24 | 255 << 16 | 255 << 8 | 255,  
    0xff << 24 | 239 << 16 | 239 << 8 | 239,  
    0xff << 24 | 156 << 16 | 156 << 8 | 156,  
    0xff << 24 | 132 << 16 | 132 << 8 | 132,  
    0xff << 24 | 247 << 16 | 247 << 8 | 247,  
    0xff << 24 | 49 << 16 | 49 << 8 | 49,  
    0xff << 24 | 189 << 16 | 189 << 8 | 189,  
    0xff << 24 | 115 << 16 | 115 << 8 | 115,  
    0xff << 24 | 165 << 16 | 165 << 8 | 165,  
    0xff << 24 | 90 << 16 | 90 << 8 | 90,  
    0xff << 24 | 222 << 16 | 222 << 8 | 222,  
    0xff << 24 | 8 << 16 | 8 << 8 | 8,  
    0xff << 24 | 198 << 16 | 198 << 8 | 198,  
    0xff << 24 | 123 << 16 | 123 << 8 | 123,  
    0xff << 24 | 66 << 16 | 66 << 8 | 66,  
    0xff << 24 | 173 << 16 | 173 << 8 | 173,  
    0xff << 24 | 148 << 16 | 148 << 8 | 148,  
    0xff << 24 | 0 << 16 | 0 << 8 | 0,  
    0xff << 24 | 16 << 16 | 16 << 8 | 16,  
    0xff << 24 | 206 << 16 | 206 << 8 | 206,  
    0xff << 24 | 74 << 16 | 74 << 8 | 74,  
    0xff << 24 | 140 << 16 | 140 << 8 | 140,  
    0xff << 24 | 181 << 16 | 181 << 8 | 181,  
    0xff << 24 | 57 << 16 | 57 << 8 | 57,  
    0xff << 24 | 99 << 16 | 99 << 8 | 99  
};
```

Fig 10C